Date:

Thursday, 30/04/2009 9:07:15 AM

User: Julie Dawson

Process Sheet

Customer

: CU-DAR001 Dart Helicopters Services

Job Number : 47637

Estimate Number P.O. Number

: 10829

: 30/04/2009 This Issue Prsht Rev.

: NC

: //

: 47109

Type

: MACHINED PARTS

Part Number

Drawing Name

: D28931

: D2893 REV B **Drawing Number**

Project Number

: N/A : B

Drawing Revision Material

Due Date

: 07/05/2009

: 02.750 SUPPORT

Qty:

20 Um:

Each

Checked & Approved By

Comment

First Issue

Written By

Previous Run

Reformat; Added P/O

S.O. No. :

est D 06.04.19

removed alodine

EC

Est Rev:E Added priming as per Rev B 07-04-30 JLM

est F 08.03.19 Re-format

verified by: DD EC

Est Rev:G 08-05-15 add QC14 DD verified by:EC

Additional Product

Job Number:



Seq. #:

Machine Or Operation:

Description:

1.0 **DSK078**

D2893-1 TURNING DETAIL

Comment: Qty.:

0.5000 Each(s)/Unit

Total:

10.0000 Each(s)

D2893-1 TURNING DETAIL

Batch: **R474**81

09/05/13

HAAS CNC VERTICAL MACHINING #1

2.0

HAAS1

Machine as per Folio FA081

Tumble & Deburr

3.0

QC2

Comment: HAAS 1

Comment: INSPECT ALL DIM TO DIM SHEET

4.0

QC8

SECOND CHECK



Comment: SECOND CHECK

5.0



POWDER COATING

POWDER COATING



Comment: POWDER COATING

Powder Coat White Gloss (Ref: 4.3.5.1) as per QSI 005 4.3

Mask Inside Bore for Primming

START TIME:

Page 1

Form: rprocess

Dart Aerospace Ltd

W/O:			WO	RK ORDER CHANG	GES							
DATE	STEP	PRO	ROCEDURE CHANGE By				DURE CHANGE By Date Qty Approval Chief Eng / Prod Mgr					
								i rod wigi				
		•										
		,										
Part No	•	PAR #:	Fault Categ	ory:	NCR: Ye	s No	DQA:	Date: _				
	Re	esolution:	Disposition: QA: N/C Clos					Closed: Date:				
NCR:			WORK ORDE	R NON-CONFORM	ANCE (N	CR)	<u>-</u>					
DATE	STEP	Description of NC	Description of NC Corrective Actio		Ve			Approval	Approval			
	0.2.	Section A	Initial Chief Eng	Action Description Chief Eng	Sig Da		Section C	Chief Eng	QC Inspector			

Date: Thursday, 30/04/2009 9:07:16 AM User: Julie Dawson **Process Sheet** Drawing Name: 02.750 SUPPORT Customer: CU-DAR001 Dart Helicopters Services Job Number: 47637 Part Number: D28931 Job Number: Seq. #: Description: **Machine Or Operation:** OVEN TEMPERATURE: 400 FINISH TIME: INSPECT POWDER COAT/CHEMICAL CONVERSION 6.0 QC3 Comment: INSPECT POWDER COAT 7.0 SPRAY PAINTING SPRAY PAINTING Comment: SPRAY PAINTING 09.06-63 Prime inside surface as per Dwg D2893 and QSI 005 4.3. 8.0 QC14 INSPECT SPRAY PAINT Comment: INSPECT 9.0 PACKAGING 1 PACKAGING RESOURCE #1 Comment: PACKAGING RESOURCE #1 Identify and Stock Location: QC21 FINAL INSPECTION/W/O RELEASE 10.0 Comment: FINAL INSPECTION/W/O RELEASE MF 09-06-03 Job Completion

Dart Aerospace	e Ltd
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_										
W/O:			٧	VORK ORDER CHANG	ES					
DATE	STEP	PRO	CEDURE CHANGE By				Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
			-							
Part No	:	PAR #:	Fault Ca	tegory:	_ NCR:	Yes N	lo DQA	\:	Date:	
	R	esolution:	Disposit	ion:	_ QA: I	V/C Clo	sed:		Date:	
NCR:		1	WORK OR	DER NON-CONFORM	ANCE	(NCR)		-		
DATE	STEP	Description of NC	Description of NC Corrective Action			Section B		ation	Approval	Approval
	SILF	Section A	Initial Action Description Chief Eng Chief Eng		tion Sign & Date		& Section C		Chief Eng	QC Inspector

DART AEROSPACE LTD	Work Order:	47637
Description: Ø2.750 Support	Part Number:	D2893-1
Inspection Dwg: D2893 Rev: B		Page 1 of 1

FIRST ARTICLE INSPECTION DIMENSION SHEET												
			X First A	\rticle [Proto	type						
	Record Actual Dimensions											
Dim	Min	Max	Go/No Go Gauge	1	2	3	4	5				
			1	HAAS Section	_							
AA	2.985	3.005		2.998	2,998	2.989	2.989	2.988				
AB	0.440	0.460		0,440	0.440	0,440	0,440	0,440				
AC	0.125	0.160		0.155	0.140	014	0.131	0.128				
AD	0.040	0.060		0.050	0.050	0,050	0.050	0,050				
AE	0.188	0.193		0.191	0.791	0.191	0.191	0,191				
AF	0.125	0.160		0.140	0,140	0,140	0,140	0.140				
AG	0.140	0.160		0.140	0.140	0.147	0.149	01150				
AH	1.360	1.400		1.370	1,393	1.366	7.321	1.367				
Al	0.040	0.060		0.052	0.052	0,050	0,050	0.049				
AJ	1.190	1.230		1.211	1,213	1,210	1,2155	1,2115				
AK	0.010	0.020		0:010	0.010	0.010	0.010	0,00				
AL	0.053	0.073		0.003	520.0	0.063	0,063	0.063				
AM	0.240	0.260		0.250	0.250 2.538 87.39	0,250	0,250	0.250				
AN	2.518	2.538		2.538	2.538	2.530	2.530	2.530				
AO	84.39	90.39		87.39	87,39	87,39	2.536 87.39	87.39				
AP	0.261	0.266		0.262	0.262	0,262	0,202					
AQ	0.053	0.073		0.063	0.063	6000	0.003	0,063				
AR												
AS												
ΑT												
			Accept/Reject									
			<u> </u>		••••	1		//				
	Measure	طرکار d by:				Date:	04/05/1	4				
	Audite	d by:	<u> </u>			Date:	09/05/19	}				
Droto	type Appr	ovali				Date:	77					
FIOLO	rype Appr	Uval.				Date.	<u></u>					
Rev	Date	Change						Approved				
Α	02.12.13	New Issue					/RF					
B	07.05.08	Dimension A	P revised				/JLM	-2A				
С	08.04.21	Reformat				KJ	/JLM OX	_\$41/				

Dart /	Aeros	pace	Ltd
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-	1	— - -								
W/O:			WO	RK ORDER CHAN	GES					
DATE	STEP PROCEDURE CHANGE					Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
		:		•			 	<u> </u>	· · · · · ·	
Part No	•	PAR #:	Fault Categ	ory:	NCF	R: Yes I	No DQ	4 :	Date: _	1
					QA: N/C Closed:					
NCR:			WORK ORDE	R NON-CONFORM	MANCE	(NCR)			
DATE	STEP			· , , , , , , , , , , , , , , , , , , ,	Section B			ation	Approval	Approval
DAIL	0121	Section A	Initial Chief Eng	Action Description Chief Eng	1	Sign & Date	Secti		Chief Eng	QC Inspector
										:
					73					-
					1	,				
	1 1						1		I	1

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DART AEROSPACE LTD	Work Order:	47631
Description: Ø2.750 Support	Part Number:	D2893-1
Inspection Dwg: D2893 Rev: B		Page 1 of 1

FIRST ARTICLE INSPECTION DIMENSION SHEET

			X First A	rticle	Proto	type		
					Record	Actual Dim	ensions	.
Dim	Min	Max	Go/No Go Gauge	6	7	8	9	10
			ŀ	HAAS Section	n	•		
AA	2.985	3.005	· ·	2.988	2.987	2.987	2.98%	2.987
AB	0.440	0.460		0,440	0.440	0.440	0.440	3,440
AC	0.125	0.160		0.130	0,130	0.132	0.130	0.130
AD	0.040	0.060		0.050	0.050	0,030	0,056	0.050
AE	0.188	0.193		0.191	0.191	0.1915	0.1915	0.1915
AF	0,125	0.160		01/40	0.140	0.140	0.140	0.140
AG	0.140	0.160	"	0.151	0.150	0148	0.150	0.149
AH	1.360	1.400		13685	1.3695	1.368	1,3615	1367
ΑI	0.040	0.060		0.0515	6.049	0.049	0.049	0,049
AJ	1.190	1.230		1.214	1.24	1.214	1.212	1,212
AK	0.010	0.020		0.00	0.00	0,010	0,010	0,00
AL	0.053	0.073		0.063	0.003	0.063	0.063	0.063
AM	0.240	0.260		0.250	0,250	0.240	0.250	0.250
AN	2.518	2.538		2,530	2-530	2.530	2,530	2.530
AO	84.39	90.39		\$7.39	87.39	87.39	87.39	87.39
AP	0.261	0.266		0.262	0.262	0,262	0,262	0,26
AQ	0.053	0.073		0,003	0,063	0.063	0.063	0,063
AR			44					
AS								
AT			·					
			Accept/Reject		:			
	Measured	by: D	TP -			Date:	09/65/	14
		00	,			,	//	
	Audited	by: SP				Date:	09/04/19	1
Proto	type Approv	/al:				Date:		
Pov		Change				J	vised by	Approv

Rev	Date	Change	 Revised by	Approved
Α	02.12.13	New Issue	KJ/RF	
В	07.05.08	Dimension AP revised	KJ/JLM 1.A	
С	08.04.21	Reformat	KJ/JLM ↔	

Dart Aerospac	ce	Ltd
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W/O:			W	ORK ORD	ER CHAN	GES						
DATE	STEP	PROC	CEDURE CHANGE			Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector		
									·			
						_						
										•		
Part No		PAR #:										
Resolution		esolution:	on: Disposition:			QA	QA: N/C Closed: [Date:	
NCR:		We	ORK ORE	DER NON-C	CONFORM	IANCE	(NCR		,			
DATE	STEP	Description of NC	Corrective Action Section B					Verific	ation	Approval	Approval	
DAIL	SIEP	Section A	Initial Chief Eng	Action	Description Chief Eng	`	Sign & Date	Section C	Chief Eng	QC Inspector		
											,	
						,						
	i i											

DART AEROSPACE LTD	Work Order:	47637
Description: Ø2.750 Support	Part Number:	D2893-1
Inspection Dwg: D2893 Rev: B		Page 1 of 1

FIRST ARTICLE INSPECTION DIMENSION SHEET

X	First A	rticle	Prototype
			Record Actual Dime

			L		-71		
				Record	Actual Dim	ensions	•
Min	Max	Go/No Go Gauge	11	12	13	14	15
		F	IAAS Section	n		,	
2.985	3.005		2.487	2.988	2.992	2.989	2,989
0.440	0.460		,440	.440		.440	. 440
0.125	0.160		.144	.141	1134	.133	.138
0.040	0.060		,047	, 047	,047	.056	.045
0.188	0.193		,191	.191	1191	,191	.191
0.125	0.160			,146	.147	.145	.147
0.140	0.160		1158	155	1153	1/53	1154
1.360	1.400	-	1.368	1,371	1,370	1,379	1,375
0.040	0.060		105	2054	.050	1048	180.
1.190	1.230		1.213	1,218	1,225	1,224	1.224
0.010	0.020		,010	,010	1010	1010	.010
0.053	0.073		10625	10625	10625	,0625	10625
0.240	0.260		,250	1250	. 250	,250	1250
2.518	2.538	,	2.530	2,530	2.536	2.570	2.530
84.39	90.39		97.39	87,39	81.39		87,39
0.261	0.266		.262	,262	,262	.262	, 262
0.053	0.073	·	,0625		:0625	10625	.0625
			Ļ		ļ		
		Accept/Reject					<u></u>
	2.985 0.440 0.125 0.040 0.188 0.125 0.140 1.360 0.040 1.190 0.010 0.053 0.240 2.518 84.39 0.261 0.053	2.985 3.005 0.440 0.460 0.125 0.160 0.040 0.060 0.188 0.193 0.125 0.160 0.140 0.160 1.360 1.400 0.040 0.060 1.190 1.230 0.010 0.020 0.053 0.073 0.240 0.260 2.518 2.538 84.39 90.39 0.261 0.266 0.053 0.073	Max Gauge	HAAS Section Section	Min Max Go/No Go Gauge 11 12 HAAS Section 2.985 3.005 3.937 3.938 0.440 0.460 ,440 .440 0.125 0.160 ,144 ,41 0.040 0.060 ,041 ,641 0.188 0.193 ,191 ,491 0.125 0.160 ,148 ,746 0.140 0.160 ,158 ,755 1.360 1.400 ,158 ,755 1.360 1.400 ,7368 ,371 0.040 0.060 ,057 ,054 1.190 1.230 ,065 ,065 1.190 1.230 ,060 ,060 0.053 0.073 ,0625 ,0625 0.240 0.260 ,250 ,250 2.518 2.538 2.530 2.530 84.39 90.39 97.39 97.39 97.39 0.053 0.073 ,0625 <td>Min Max Go/No Go Gauge 11 12 13 HAAS Section 2.985 3.005 3.987 3.988 3.993 0.440 0.460 ,440 ,440 ,440 0.125 0.160 ,144 ,41 ,134 0.040 0.060 ,047 ,047 ,047 0.188 0.193 ,191 ,491 ,191 0.125 0.160 ,148 ,149 ,141 ,141 0.125 0.160 ,148 ,149 ,141 ,141 0.125 0.160 ,148 ,147 ,141 ,141 0.140 0.160 ,158 ,155 ,153 1.360 1.400 ,158 ,155 ,153 1.190 1.230 ,250 ,250 ,250 1.190 1.230 ,012 ,010 ,010 ,010 0.053 0.073 ,025 ,025 ,025 ,025</td> <td> HAAS Section </td>	Min Max Go/No Go Gauge 11 12 13 HAAS Section 2.985 3.005 3.987 3.988 3.993 0.440 0.460 ,440 ,440 ,440 0.125 0.160 ,144 ,41 ,134 0.040 0.060 ,047 ,047 ,047 0.188 0.193 ,191 ,491 ,191 0.125 0.160 ,148 ,149 ,141 ,141 0.125 0.160 ,148 ,149 ,141 ,141 0.125 0.160 ,148 ,147 ,141 ,141 0.140 0.160 ,158 ,155 ,153 1.360 1.400 ,158 ,155 ,153 1.190 1.230 ,250 ,250 ,250 1.190 1.230 ,012 ,010 ,010 ,010 0.053 0.073 ,025 ,025 ,025 ,025	HAAS Section

Measured by: 🙎 _০৭/৫	05-/16	Date: 09/05-/16
Audited by: SP 09/	05/19	Date:
	7.	
Prototype Approval:	·	Date:

Rev	Date	Change	Revised by	Approved
, A	02.12.13	New Issue	KJ/RF	
В	07.05.08	Dimension AP revised	KJ/JLM 1.A	
С	08.04.21	Reformat	KJ/JLM 🛠	

DART AEROSPACE LTD	Work Order:	47637
Description: Ø2.750 Support	Part Number:	D2893-1
Inspection Dwg: D2893 Rev: B		Page 1 of 1

FIRST ARTICLE INSPECTION DIMENSION SHEET

			X First A	rticle	Proto	type		
					Record	Actual Dim	ensions	
Dim	Min	Max	Go/No Go Gauge	16	17	18	19	20
	HAAS Section							
AA	2.985	3.005		1,981	2.987	2,985	2.9876	2.987
AB	0.440	0.460		440	1440	1440	,440_	1440
AC	0.125	0.160		- \33	1/38	1136	,130	-134
AD	0.040	0.060		1047	1053	,053	, ७५१	.048
AE	0.188	0.193		.191	.191	ijai	.191	, 191
AF	0.125	0.160		.149	2147	148	,145	1146
AG	0.140	0.160		154	1154	1154	1157	:159
AH	1.360	1.400		-41371	1.372	1.371	1.370	1.369
ΑI	0.040	0.060		.049	1050	1058	.050	1050
AJ	1.190	1.230		1,219	1, 220	1,219	1,217	1.217
AK	0.010	0.020		,010	,010	. ૦ (૦	.010	,610
AL	0.053	0.073		10625	10625	,0625	.0625	.0625
AM	0.240	0.260	•	1250	,250	. 250	-250	, 250
AN	2.518	2.538		2.534	2.534	2.524	L-2-5244	2.534
AO	84.39	90.39		81.39	47.39	97,39	41.39	47.39
AP	0.261	0.266		1263	1262	. 262	1262	. 262
AQ	0.053	0.073		.0625	10625	10615	,0625	.0625
AR								
AS								
AT]								
			Accept/Reject					

Measured by:	Date: 09/05/17
70	; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;
Audited by:	Date: 09/05/19
	
Prototype Approval:	Date:

	Rev	Date	Change	Revised by	Approved
	Α	02.12.13	New Issue	KJ/RF	
1	В	07.05.08	Dimension AP revised	KJ/JLM 1.A	
ĺ	С	08.04.21	Reformat	KJ/JLM 🕺	<i>Stall</i>

